

Formula	Lewis structure	Molecule or Ion Type	Electron group geometry	Molecular geometry	Bond angle	Polarity
HCN						
BeF <sub>2</sub>						
SO <sub>2</sub>						
O <sub>3</sub>						

Formula	Lewis structure	Molecule or Ion Type	Electron group geometry	Molecular geometry	Bond angle	Polarity
BF <sub>3</sub>						
CO <sub>3</sub> <sup>2-</sup>						
CH <sub>4</sub>						
ClO <sub>4</sub> <sup>-</sup>						

Formula	Lewis structure	Molecule or Ion Type	Electron group geometry	Molecular geometry	Bond angle	Polarity
PF <sub>3</sub>						
H <sub>2</sub> O						
PF <sub>5</sub>						
SF <sub>4</sub>						

Formula	Lewis structure	Molecule or Ion Type	Electron group geometry	Molecular geometry	Bond angle	Polarity
$\text{BrF}_3$						
$\text{XeF}_2$						
$\text{IOF}_5$						
$\text{TeF}_5^-$						

Formula	Lewis structure	Molecule or Ion Type	Electron group geometry	Molecular geometry	Bond angle	Polarity
XeF <sub>4</sub>						
XeO <sub>2</sub> F <sub>2</sub>						
SO <sub>4</sub> <sup>2-</sup>						